

Title (en)

Coplanar waveguide filter and method of forming same

Title (de)

Koplanarer Filter und zugehöriges Herstellungsverfahren

Title (fr)

Filtre coplanaire et sa méthode de fabrication

Publication

EP 1562254 B1 20100414 (EN)

Application

EP 05002145 A 20050202

Priority

- JP 2004027187 A 20040203
- JP 2004027219 A 20040203
- JP 2004259685 A 20040907

Abstract (en)

[origin: EP1562254A1] A plurality of one-quarter wavelength coplanar resonators 5a to 5d are formed in series on a dielectric substrate 1, and coplanar input/output terminal sections 4a and 4b are formed on the dielectric substrate at opposite ends of the series connection for coupling with resonators 5a and 5d, respectively. A center conductor line width w1 of each of the resonators 5a to 5d is equal to a center conductor line width wio of each of the input/output terminal section 4a and 4b, but a ground conductor spacing d1 of each of the resonators 5a to 5d is greater than a ground conductor spacing dio of each of input/output terminal section 4a and 4b. Maintaining the accuracy of design is facilitated and a reduction in the maximum current density in the resonator is enabled. <IMAGE>

IPC 8 full level

H01P 1/201 (2006.01); **H01P 1/203** (2006.01); **H01P 7/08** (2006.01)

CPC (source: EP KR US)

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